

### Patent Claims

1. Device for climbing on flexible or rigid structures (1) with known clasps (4;6) and safety elements, **characterized by**, connecting elements being attached to the clasps (4;6) so that a climber can be held in such a way that the shift of the weight effects the clasps (4;6) when climbing and that a time servo-component (9) is located in the clasps (4;6) in such a way that a release opens the clasps and the time servo-component (9) is activated and that after the interval of time of the time servo-component (9) the clasps (4;6) clamp themselves on the rope in position selected by the climber.
2. Device in accordance with claim 1, **characterized by**, the time servo-component (9) being connected with the inclined bevels (2) and/or a yoke (3).
3. Device in accordance with claim 1, **characterized by**, the time servo-component (9) preferably being an elastic rubber or elastometer body, a hydraulic or pneumatic spring.
4. Device in accordance with one of claims 1 to 3, **characterized by**, that the clasps (4) are located on a seat (12) and clasps (6) at the foot of the climber.
5. Device in accordance with one of claims 1 to 3, **characterized by**, that the clasps (4;6) with time servo-components are connected to

the functional elements of a mechanical climbing device.

6. Device in accordance with one of claims 1 to 3, **characterized by**, that the seat (12) is attached to the clasps (4) by means of a system belt (13) and the connection in the system belt (13) between the seat (12) and the upper clasps (4) is pressure stable in the longitudinal direction.
7. Device in accordance with one of claims 1 to 3 and 6, **characterized by** the connection in the system belt (13) between the seat (12) and the upper clasps (4) is flexible.
8. Device in accordance with one of claims 1 to 3 and 7, **characterized by** the system belt being hung, form-locked, in the upper clasps (4) to assure that it cannot slip out.
9. Device in accordance with one of claims 1 to 8, **characterized by** pull elements (15) are attached to the yoke which hold the yoke (3) in the lower clasps (6) in their upper position.
10. Device in accordance with one of claims 1 to 3, **characterized by** tension springs of various properties are located between the seat (12) and the upper clasps (4) and the seat (12) and the lower clasps (6), through which the rope (1) is led.
11. Device in accordance with one of claims 1 to 3 and 9, **characterized by** that the pedals (8) on the handles (17) have a joint between the pivot and the lower clasps (6) and that rotating cams are supported between this joint and the pivots of the pedals (8) on the handle (17).

12. Device in accordance with one of claims 1 to 3 and 9, **characterized by**, that the lower clasps (6) are attached to the seat (12) and the working rope is attached at the end to the feet of the climber through rollers attached to the upper clasps (4) and with the other end to the seat (12) and between the seat (12) and the upper clasps (4) there are pressure springs (4).
13. Device in accordance with one of claims 1 to 12, **characterized by** the clasps (4;6) have open slits in the middle of at least the thickness of the weight-bearing element (1), preferably a rope,, by lifting the yoke (3) by means of the draw elements (15), the cotters (10) can be opened to at least the diameter of the weight-bearing element (1) and rotateable, slitted sleeves on the end of the clasps (4;6) lock the clasps (4;6).
14. Device in accordance with one of claims 1 to 3 and 6 to 10, **characterized by** that one or more weight-bearing elements (1) with two or more clasps (4;6) per weight-bearing element (1) are situated in a short distance in front of the climber.
15. Device in accordance with claim 1, **characterized by** the clasps (4;6) are located on the weight-bearing element (1) in which yokes (3) whose inner contours have beveled inclines expanding downward on which roller (11) and cotters (10) are located, on the upper end of the yoke (3) pressure springs (29) and on the lower end time servo-components (9) are located, a system belt (13) and safety line (14) are attached to the housings of the clasps (4), a seat is attached to the system belt (13), between the seat (12) and the clasps (4) there is preferably a pressure-stable connection, between the clasps (4) and the seat (12) as well as between the seat (12) and the clasps (6) tension springs (16) are placed through which the weight-bearing elements (1) are led, the clasps (6) are attached

form-locked and swiveling to the rod (5), on the rod (5) foot holders are located and handles and a stay-bar (25) are attached to the clasps (4).